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PTO/SB/08A (10-01)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	10/713,092
		Filing Date	11/17/2003
		First Named Inventor	Kia Silverbrook
		Art Unit	2853
		Examiner Name	Art DO
Sheet	1	of	8
		Attorney Docket Number	ZG003US

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US 6,130,967 *	10.10.2000	Lee et al	
		US 5,675,719 *	10.07.1997	Matias	
		US 6,229,622 *	05.08.2001	Takeda	
		US 5,719,604	02.17.1998	Inui et al	
		US 5,666,141	09.09.1997	Matoba et al	
		US 4,672,398	06.09.1987	Kuwabara et al	
		US 4,737,802	04.12.1988	Mielke	
		US 5,029,805	07.09.1991	Albarda et al	
		US 5,258,774	11.02.1993	Rogers	
		US 4,553,393	11.19.1985	Ruoff	
		US 4,864,824	09.12.1989	Gabriel et al	
		US 4,423,401	12.27.1983	Mueller	
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FOREIGN PATENT DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		EP 0 713 774	05.29.1996	Sharp Kabushiki Kaisha	
		DE 195 16 997	11.16.1995	Sharp K.K	
		DE 196 23 620	12.19.1996	Sharp K.K	
		JP 2-108544 (Abstract)	04.20.1990	Seiko Epson Corp	
		JP 2-92643 (Abstract)	04.03.1990	Seiko Epson Corp	
		JP 4-353458 (Abstract)	12.08.1992	Brother Ind Ltd	
		JP 6-91865 (Abstract)	04.05.1994	Seikosha Co Ltd	
		JP 6-91866 (Abstract)	04.05.1994	Seikosha Co Ltd	
		JP 2-265752 (Abstract)	10.30.1990	Matsushita Electronic Ind Co Ltd	
		EP 0 634 273	01.18.1995	Sharp Kabushiki Kaisha	

Examiner Signature		Date Considered	9/13/04
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		Filing Date	11/12/2003
		First Named Inventor	Kia Silverbrook
		Art Unit	2853
		Examiner Name	ANJ H. DO
Sheet 2 of 8	Attorney Docket Number	ZG003US	

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		DE 195 32 913	03.28.1996	Sharp K.K.		
		JP 58 112747 (Abstract)	07.05.1983	Fujitsu KK		
		DE 43 28 433	03.02.1995	Heidleberger Druckmaschinen AG		
		JP 61 025849 (Abstract)	02.04.1986	Canon Inc		
		JP 01 128839 (Abstract)	05.22.1989	Ricoh Co Ltd		
		JP 04 126255 (Abstract)	04.27.1992	Seiko Epson Corp		
		GB 2 262 152	06.09.1993	Willet Int Ltd		
		DE 195 16 997	11.16.1995	Sharp K.K.		
		JP 05 318724 (Abstract)	12.03.1993	Seikosha Co Ltd		

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		Filing Date	11/7/2003
		First Named Inventor	Kia Silverbrook
		Art Unit	2853
		Examiner Name	AN H. DD
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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
<i>JS</i>	<i>2</i>	JP 02 162049 (Abstract)	06.21.1990	Seiko Epson Corp		<i>2</i>
<i>JS</i>	<i>2</i>	DE 32 45 283	06.07.1984	Siemens AG		<i>2</i>
<i>JS</i>	<i>2</i>	JP 04 368851 (Abstract)	12.21.1992	Seiko Epson Corp		<i>2</i>
<i>JS</i>	<i>2</i>	JP 02 158348 (Abstract)	06.18.1990	Minolta Camera Co. Ltd		<i>2</i>
<i>JS</i>	<i>2</i>	JP 03 112662 (Abstract)	05.14.1991	Seiko Epson Corp		<i>2</i>
<i>JS</i>	<i>2</i>	JP 03 653348 (Abstract)	03.20.1991	Matsushita Electric Ind. Co		<i>2</i>
<i>JS</i>	<i>2</i>	EP 0 431 338	06.12.1991	Matsushita Electric Ind. Co		<i>2</i>
<i>JS</i>	<i>2</i>	JP 01 257058	10.13.1989	Seiko Epson Corp		<i>2</i>
<i>JS</i>	<i>2</i>	DE 195 17 969	11.30.1995	Sharp K.K.		<i>2</i>

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		DE 196 39 717	04.17.1997	Sharp K.K.		
		EP 0 737 580	10.16.1996	Canon K.K.		
		EP 0 882 590	12.09.1998	Canon K.K.		
		EP 0 478 956	04.08.1992	Kernforschungs- und Karlsruher GMBH		
		DE 1 648 322	03.24.1971	VDO Tachometerwerke GMBH		
		GB 1 428 239	03.17.1976	Cibie Projecteurs		
		DE 39 34 280	04.26.1990	CAE di Cipelletti Alberto		
		DE 29 05 063	08.14.1980	Olympia Werke AG		
		WO 94/18010	08.18.1994	Domino Printing Sciences PLC		

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		Country Code 3 - Number 4 - Kind Code 5 (if known)				
		EP 0 398 031	11.22.1990	Seiko Epson Corp		
		EP 0 427 291	05.15.1991	Seiko Epson Corp		
		JP 01 115639 (Abstract)	05.08.1989	Ricoh Co Ltd		
		JP 58 116165 (Abstract)	07.11.1983	Canon K.K		
		EP 0 627 314	12.07.1994	Olivetti Canon Ind SPA		
		JP 61 268453 (Abstract)	11.27.1986	Olympus Optical Co Ltd		
		JP 04 118241 (Abstract)	04.20.1992	Seiko Epson Corp		
		EP 0 506 232	09.30.1992	Videojet Systems Int, Inc		
		JP 07 314665 (Abstract)	12.05.1995	Canon Inc		
		JP 03 180350	08.06.1991	Seiko Epson Corp		

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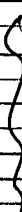








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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		WO 97 12689	04.10.1997	The Board of Trustees of the Leland Stanford University		
		JP 02 050841 (Abstract)	02.20.1990	Seiko Epson Corp		
		EP 0 510 648	10.28.1992	Ivri Yehuda		
		JP 05 28765 (Abstract)	10.29.1993	Canon Inc		
		JP 04 141429 (Abstract)	05.14.1992	Seiko Epson Corp		
		JP 01 105746 (Abstract)	04.24.1989	Ricoh Co., Ltd		
		GB 792 145	03.19.1958	Technograph Printed Circuits Ltd		
		EP 0 750 993	01.02.1997	Canon K.K		

Examiner Signature	<i>Ad H. DO</i>	Date Considered	9/13/04
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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b> Application Number: <u>10/713,092</u> Filing Date: <u>11/17/2003</u> First Named Inventor: <u>Kia Silverbrook</u> Art Unit: <u>2853</u> Examiner Name: <u>AN H. DD</u> Attorney Docket Number: <u>ZG003US</u>	
Sheet	7	of	8

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (If known)			
		US-			
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FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
<i>JS</i>	<i>1</i>	JP 01.306254 (Abstract)	12.11.1989	Seiko Epson Corp		<i>5</i>
<i>JS</i>	<i>2</i>	EP 0 092 229	10.26.1983	Siemens AG		<i>5</i>
<i>JS</i>	<i>3</i>	DE.37.16.996	12.08.1988	VDO Schindling		<i>5</i>
<i>JS</i>	<i>4</i>	DE.34.30.155	02.27.1986	Siemens AG		<i>5</i>
<i>JS</i>	<i>5</i>	FR.2.231.076	12.20.1974	Electricite De France		<i>5</i>
<i>JS</i>	<i>6</i>	EP.940975 *	09.08.1999	Seiko Epson Corp		<i>5</i>
<i>JS</i>	<i>7</i>	EP.899684 *	03.03.1999	Seiko Epson Corp		<i>5</i>
<i>JS</i>	<i>8</i>	EP.540338 *	01.28.1998	Canon Kabushiki Kaisha		<i>5</i>
<i>JS</i>	<i>9</i>	JP.40.400.1051 *	01.06.1992	Ricoh Co Ltd		<i>5</i>

Examiner Signature: <u>[Signature]</u>	Date Considered: <u>9/13/04</u>
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Substitute for form 1449B/PTO		<b>Complete if Known</b>			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10 / 7 / 3 / 992		
		Filing Date	11 / 13 / 2003		
		First Named Inventor	Kia Silverbrook		
		Group Art Unit	2853		
		Examiner Name	AN +1.20		
Sheet	8	of	8	Attorney Docket Number	ZG003US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		NOWOROLSKI, J. MARK et al, "Process for in-plane and out-of-plane single-crystal-silicon thermal microactuators". Sensors and Actuators, A, CH, Elsevier-Sequoia-S.A., Lausanne, Vol-55, no-1, 15-July-1996; pp 65-69; XP004077979 ISSN: 0924-4247.	
		ATAKA, MANABU et al, "Fabrication and Operation of Polymide Bimorph Actuators for Ciliary Motion System". Journal of Microelectromechanical Systems, US, IEEE Inc. New York, Vol. 2, no. 4, 1 December 1993, pp 146-150, XP000443412, ISSN: 1057-7157.	
		YAMAGATA, YUTAKA et al, "A Micro Mobile Mechanism Using Thermal Expansion and its Theoretical Analysis". Proceeding of the workshop on micro electro mechanical systems (MEMS), US, New York, IEEE, Vol. Workshop 7, 25 January 1994, pp-142-147, XP000528408, ISBN: 0-7803-1834-X.	
		Derwent Abstract Accession No. 2001-020348/03, Class P75; T01, JP 2000-293335-A-(SEIKO-EPSON-CORPORATION)-20 October 2000.*	
		Derwent Abstract Accession No. 98-081618/08, Class W02, JP 09-314915 A (CANON KABUSHIKI KAISHA) 9 December 1997.*	

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